

To: Bittleman, Sarah[Bittleman.Sarah@epa.gov]; Grundler, Christopher[grundler.christopher@epa.gov]; Machiele, Paul[machiele.paul@epa.gov]; Argyropoulos, Paul[Argyropoulos.Paul@epa.gov]; Simon, Karl[Simon.Karl@epa.gov]
From: Brian Jennings
Sent: Tue 10/15/2013 3:07:51 PM
Subject: ACE 2014 RVO letter - leaked draft proposal
[ACE 2014 RVO letter 10 15 13 \(2\).pdf](#)

To my friends at EPA, I hope Congress acts to end the shutdown soon. Meanwhile, a letter from us on the leaked proposal making its rounds...

Would really like to discuss this when you're back in the saddle.

Brian

Brian Jennings, Executive VP

American Coalition for Ethanol

Ph: 605-334-3381 ext. 12

bjennings@ethanol.org

Twitter: [@BiofuelBrian](#)



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October 15, 2013

The Honorable Gina McCarthy
Administrator
U.S. Environmental Protection Agency
1200 Pennsylvania Avenue, NW
Washington, DC 20460

Dear Administrator McCarthy:

On behalf of the nearly 600 members of the American Coalition for Ethanol (ACE), I write today in regards to "leaks" in the press surrounding deliberations by the Environmental Protection Agency (EPA) in establishing the 2014 Renewable Volume Obligations (RVOs) as a result of the inadequate supply of cellulosic biofuel.

ACE is comprised of farmers, ethanol producers, Main Street businesses, technology firms, engineers, and industry suppliers who have stood shoulder to shoulder to innovate and grow the domestic ethanol industry in communities throughout the U.S.

Up front, we want to thank you for the way EPA has administered the Renewable Fuel Standard (RFS) to date and used its statutory authority to manage through cellulosic biofuel shortfalls. Since RFS2 was enacted in 2007 and EPA began implementing it in 2010, the oil industry has lobbied Congress for repeal, filed lawsuits challenging EPA's handling of it, fronted RFS waiver requests, and used strong-arm tactics such as threatening businesses that want to sell blends above E10. Despite this, EPA has remained vigilant in thoughtfully rejecting waiver requests on their merits and ensured that the RFS works regardless of shortfalls in cellulosic biofuel.

Oil company intransigence towards the higher blends of ethanol called for under the RFS is why we are concerned with leaks about how the Administration might set the 2014 RVO as a result of ongoing cellulosic biofuel shortfalls. The biofuels industry continues to work in good faith to provide EPA accurate information on the industry, highlight the path forward to further lessening petroleum's grasp on Americans' wallets, and help meet the Administration's desire to improve the greenhouse gas footprint of our transportation fleet. Meanwhile, the oil industry is dragging their feet to allow consumer access to blends above ten percent ethanol and creating a subterfuge designed to question the Administration's continued commitment to alternatives to petroleum in a way that threatens investment in advanced and cellulosic biofuels.

We understand that the oil industry prefers to continue amassing profits in a market where ethanol is artificially restricted to just ten percent of gasoline demand even though it is less expensive and cleaner than petroleum. Recall, the oil lobby fought to prevent ethanol from comprising even ten percent of the market when the original RFS was passed by Congress in 2005 and they have rebelled against the necessity to blend more than that since the law was expanded in 2007.

5000 South Broadband Lane • Suite 224 • Sioux Falls, SD 57108
P: 605.334.3381 • F: 605.334.3389 • www.ethanol.org

ED_000313_O365_00001137

Their state of denial about higher ethanol blends was the reason that the waiver language was one of the final outstanding provisions that oil companies tried to weaken as finishing touches were put on the RFS by Congress. They wanted the opportunity for their cuff-linked attorneys to wordsmith and dodge their way out of compliance when the RFS became a real threat to their continued monopoly on consumer pocketbooks. Simply put, the "blend wall" is not a justification for triggering the waiver authority under the RFS. To the contrary, the purpose of the RFS was and is to allow consumers to have access to cleaner and more affordable alternatives to petroleum. To waive the RFS based on the blend wall rewards oil companies for doing nothing to comply with the inevitability of higher ethanol blends, and would take the teeth out of the most consequential policy Congress has enacted to improve the way we produce and use transportation fuel. Based on the thoughtful and appropriate steps EPA has taken to date to ensure the RFS is successful, we know the Administration would not want to retreat by creating the kind of dangerous precedent that harms consumers by caving in to oil industry demands.

Thank you for your time and attention to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read "B. Jennings". The signature is fluid and cursive, with a large initial "B" and a stylized "J" for "Jennings".

Brian Jennings, Executive Vice President
American Coalition for Ethanol (ACE)

To: Machiele, Paul[machiele.paul@epa.gov]
Cc: Burkholder, Dallas[burkholder.dallas@epa.gov]
From: Geoff Cooper
Sent: Tue 3/3/2015 10:28:40 PM
Subject: FW: Cellulosic Waiver Credit/D3 RIN Follow-Up
D3 CWC Memorandum Jan2015.pdf

Paul,

Good afternoon. I left you a voicemail earlier today about the D3 RIN/CWC issue we first discussed with OTAQ in November and raised again in January in the email below to Chris Grundler. Also, I've been told by a few of our members (who were part of the November meeting) that they have had brief conversations with Dallas about this issue in recent weeks. Would you and/or Dallas have 15-20 minutes available tomorrow morning to catch up on this? Thank you.

Geoff

Geoff Cooper

Senior Vice President

Renewable Fuels Association

16024 Manchester Rd. Suite 200

Ellisville, MO 63011

O: 636.594.2284

C: 636.399.4928

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From: Geoff Cooper
Sent: Friday, January 16, 2015 11:52 AM
To: 'Grundler.christopher@Epa.gov'
Cc: EthanolRFA; Brooke Coleman
Subject: Cellulosic Waiver Credit/D3 RIN Follow-Up

Hello Chris,

First of all, thanks for agreeing to speak at the National Ethanol Conference. We are excited and honored to have you participating again.

On another note, I wanted to (belatedly) follow up on our meeting with you in late November regarding D3 RINs and cellulosic waiver credits (CWCs). Following that meeting, our group has done some additional thinking about how administration of the waiver credit program could be slightly altered to improve liquidity in the D3 RIN market and provide more certainty to D3 RIN generators. We've also reviewed the statute and rulemaking history to form an opinion on EPA's authorities around the waiver credit program. Brooke and I distributed a memo last week to our companies outlining that opinion. (I am sharing the memo here as a point of information, and we would be interested to know whether EPA has revisited this issue and whether our views align).

Last week, Paul Argyropoulos sent Bob a copy of EPA's November response to CRNG's letter on the D3 RIN/CWC subject. One passage of the letter, in particular, caught our attention: "While we verified that some cellulosic biofuel producers have retained ownership of cellulosic biofuel RINs, this was not universal. A substantial number of cellulosic biofuel RINs are being held by parties other than the original fuel producer. This is an indication that some cellulosic biofuel producers have been able to sell their RINs."

While it may be true that "some cellulosic biofuel producers have been able to sell their RINs," it seems highly likely to us that those are producers who are able to readily detach the RINs from the fuel (e.g., biogas) and sell the RINs unencumbered on the market. As you know, cellulosic

ethanol producers are not able to easily detach RINs from gallons, and thus the “producers [who] have retained ownership” of the RINs are very likely the cellulosic ethanol producers (or their marketers) who have experienced great difficulty in securing offtake for physical gallons and D3 RINs and/or achieving fair valuation for the RINs. Our member companies continue to believe these difficulties are primarily attributable to the fact that obligated parties may simply purchase a CWC in lieu of a D3 RIN. Further, the letter does not speak to the fact that the availability of CWCs (at a fixed price) in lieu of D3 RINs also serves to undercut the value of the RINs that are actually transacted. Thus, we continue to view current administration of the waiver credit program as a significant obstacle to the establishment of necessary cash flow for current producers and also to capitalizing future growth of cellulosic ethanol capacity.

The group that met with you in November would greatly appreciate the opportunity to meet again soon to continue the conversation.

Looking forward to seeing you in Dallas.

Regards,

Geoff

Geoff Cooper

Senior Vice President

Renewable Fuels Association

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Ellisville, MO 63011

O: 636.594.2284

C: 636.399.4928

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Memorandum

To: Concerned Parties in Cellulosic Biofuel Sector
From: Advanced Ethanol Council & Renewable Fuels Association
Date: January 7, 2015
RE: Issuance of Cellulosic Biofuel Waiver Credits as part of the RFS

Cellulosic biofuel producers recently expressed their concerns to the U.S. Environmental Protection Agency (U.S. EPA) about the transparency and liquidity of the D3 RIN marketplace. Some cellulosic biofuel producers are reporting that obligated parties are not engaging in offtake for liquid gallons of cellulosic biofuel because of the availability of Cellulosic Biofuel Waiver Credits (CWCs) and past decisions by EPA to refund obligated parties for purchases of CWCs. Concerned parties in the cellulosic biofuel sector believe that U.S. EPA could remedy the problem by making adjustments to its current approach to administering CWCs. This memorandum explores the legal question of how much flexibility U.S. EPA has under the statute to modify how it administers CWCs as part of its broader authorities under the RFS.

I. What Congress Set Forth

Generally speaking, there is broad agreement that U.S. EPA is required by Clean Air Act section 211(o)(7)(D)(ii) to issue CWCs whenever it acts to waive any part of the cellulosic biofuel volumetric standard pursuant to its authorities and obligations under section 211(o)(7)(D)(i). Congress required U.S. EPA to promulgate regulations to govern the issuance of CWCs, based on the pricing formula established by section 211(o)(7)(D)(ii) and to address certain policy objectives set forth in section 211(o)(7)(D)(iii), which reads in its entirety:

(iii) Eighteen months after December 19, 2007, the Administrator shall promulgate regulations to govern the issuance of credits under this subparagraph. The regulations shall set forth the method for determining the exact price of credits in the event of a waiver. The price of such credits shall not be changed more frequently than once each quarter. These regulations shall include such provisions, including limiting the credits' uses and useful life, as the Administrator deems appropriate to assist market liquidity and transparency, to provide appropriate certainty for regulated entities and renewable fuel producers, and to limit any potential misuse of cellulosic biofuel credits to reduce the use of other renewable fuels, and for such other purposes as the Administrator determines will help achieve the goals of this subsection. The regulations shall limit the number of cellulosic biofuel credits for any calendar year to the minimum applicable volume (as reduced under this subparagraph) of cellulosic biofuel for that year.

One of the key questions under consideration is how much authority U.S. EPA has to control the number of CWCs issued in any given year. While section 211(o)(7)(D)(iii) clearly specifies that the number of CWCs made available may not exceed the applicable volume of cellulosic biofuel (i.e., the cellulosic biofuel RVO for that calendar year), it clearly *does not* establish a minimum number of CWCs that must be made available by EPA.

According to 211(o)(7)(D)(iii), “[t]he regulations shall limit the number of cellulosic biofuel credits for any calendar year to the minimum applicable volume (as reduced under this subparagraph) of cellulosic biofuel for that year.” When used as a verb, as in statutory text above, the term “limit” means “to restrict the bounds or limits of” or “to assign certain limits to.”¹ The noun “limit” included in the definition for the verb “limit” means “[a]n amount or number that is the *highest allowed*,” “[t]he *utmost extent*,” or “[a] prescribed *maximum* amount, quantity, or number.”² Thus, use of the term “limit” in 211(o)(7)(D)(iii) means EPA may not issue more CWCs than the “highest allowed” or “maximum” amount, which is defined as being equal to the finalized cellulosic biofuel RVO. As such, the statute establishes that waiver credits made available for sale may not *exceed* the cellulosic biofuel RVO (as reduced under 211(o)(7)(D)(i)), but does not prohibit EPA from making available an amount of waiver credits that is less than the cellulosic biofuel RVO.

This reading of the term “limit” is further supported by the surrounding text, which instructs EPA to:

...include such provisions, including *limiting the credits’ uses* and useful life, as the Administrator deems appropriate to *assist market liquidity* and transparency, to *provide appropriate certainty for regulated entities and renewable fuel producers*, and to *limit any potential misuse of cellulosic biofuel credits to reduce the use of other renewable fuels*, and for such other purposes as the Administrator determines will help achieve the goals of this subsection.

These operative phrases are discussed in more detail below.

- “Limiting the credits’ uses”: The intended use of CWCs is to demonstrate compliance only in cases where obligated parties are able to establish with EPA that insufficient cellulosic biofuel RINs were available in the marketplace to meet their respective RVO. Waiver credits were not intended to provide an *alternative means* of compliance with the cellulosic biofuel RVO. Hence, per this text, EPA has a responsibility to ensure use of the credits is limited to the intended purpose.
- “Assist market liquidity”: The current D3 RIN market is highly illiquid. Cellulosic ethanol producers are unable to readily sell cellulosic ethanol with attached D3 RINs unless prices are reduced below fair market value. This dynamic is the result of the expectation by obligated parties that the amount of waiver credits offered for sale will perfectly match the cellulosic RVO, and thus waiver credits can be used in lieu of actual RINs for compliance (there is an additional expectation by some obligated parties that any purchases of CWCs will be refunded at the end of the compliance year). Offering an amount of CWCs that is less than the cellulosic RVO (provided, of course, that an amount of RINs exists to meet the RVO) would significantly enhance liquidity in the D3 RIN market and compel obligated parties to purchase RINs instead of, or in addition to, CWCs.
- “Provide appropriate certainty for regulated entities and renewable fuel producers”: A primary purpose of the Renewable Fuel Standard Program (RFS) is to provide the certainty that if cellulosic biofuel (and accompanying RINs) are produced, they will indeed be purchased and

¹ “Limit.” *Merriam-Webster.com*. Merriam-Webster, n.d. Web. 6 Jan. 2015. <<http://www.merriam-webster.com/dictionary/limit>>.

² *Ibid.* (emphasis added).

used by obligated parties. That certainty does not exist as long as obligated parties have the ability to purchase CWCs in lieu of cellulosic biofuel RINs. EPA has the authority and ability to provide the certainty intended by this text by controlling the number of CWCs that are made available for sale.

- “Limit any potential misuse of cellulosic biofuel credits to reduce the use of other renewable fuels”: This text clearly directs EPA to ensure that CWCs are not used by obligated parties as a means of circumventing the obligation to use physical volumes of renewable fuels. The current program, which effectively allows obligated parties to purchase a CWC instead of a D3 RIN (separated, or attached to a physical gallon of cellulosic biofuel), ultimately results in “reduc[ing] the use” of renewable fuels. Valueless or stranded D3 RINs, and an inoperable D3 RIN market, will deter further investment in cellulosic biofuels, exacerbating the reduction in production and use of these fuels.

II. EPA’s Interpretation of Section 211(o)(7)(D)(iii)

The final rule establishing the RFS (published March 26, 2010) includes the rules governing the issuance of CWCs required by section 211(o)(7)(D)(iii). As part of this process, U.S. EPA recognized that: (1) “Congress afforded the Agency *considerable flexibility* in implementing the system of cellulosic biofuel credits;” (2) the waiver credit system should facilitate the broader aims of the RFS to promote advanced biofuels; (3) the availability of waiver credits could have “unintended consequences,” and, (4) restrictions on the use of waiver credits are being enforced by U.S. EPA at least in part to “ensure that waiver credits are not overutilized at the expense of actual renewable volume.”³ As such, there appears to be agreement amongst affected parties and U.S. EPA that the Agency has considerable latitude to administer the CWC program in such a way as to facilitate rather than undercut the broader goals of the RFS program.

With regard to the legal constraints around the specific number of CWCs issued by U.S. EPA in any given year, the Agency appears to agree that Congress’s use of the term “limit” establishes an upper bound for the quantity of CWCs issued rather than a requirement to align the quantity of waiver credits issued with the cellulosic biofuel RVO for the respective year. In summarizing its authority to issue waiver credits as part of the final rule, U.S. EPA states that “[w]henver EPA sets the cellulosic biofuel standard at a level lower than that required in EISA, but greater than zero, EPA is required to provide a number of cellulosic credits for sale that is no more than the volume used to set the standard.”⁴ As such, there should be agreement among the parties that Congress capped the number of CWCs that can be issued by U.S. EPA in any cellulosic biofuel “waiver year” to the total cellulosic biofuel RVO for that year without prescribing that these quantities must match.

The issue with regard to the quantity of CWCs made available by U.S. EPA seems to stem from U.S. EPA’s apparent decision to nonetheless declare that the quantity of waiver credits issued in a cellulosic biofuel “waiver year” would be “equal to” the cellulosic biofuel RVO for that year.⁵ However, the purpose of this memorandum is to delineate what U.S. EPA *has the authority to do* within the directive set forth by Congress to establish a CWC system, as opposed to what the Agency *decided to do* during the

³ See 75 FR 14727.

⁴ See 75 FR 14726. Emphasis added.

⁵ See CFR §80.1456, accessed at 75 FR 14892. U.S. EPA states that “[t]he total cellulosic biofuel waiver credits available will be equal to the reduced cellulosic biofuel volume established by EPA for the compliance year.”

rulemaking within those constraints. The Agency does not assert in the final rule that its decision to align the number of CWCs issued with the cellulosic biofuel RVO is required by law. And there does not appear to be a rationale provided by U.S. EPA in the final rule for its decision to match the number of CWCs issued to the RVO. As discussed, the Agency's own statements in the final rule evidence the opposite conclusion: that U.S. EPA is not required to align these numbers. As such, we believe that the Agency has the authority to make available a quantity of CWCs that is less than the final cellulosic biofuel RVO, and any decision to do so would be consistent with the Agency's own interpretation of its legal authorities under the statute – even while it is a different position than the one set forth by U.S. EPA in the final rule.

To: Machiele, Paul[machiele.paul@epa.gov]
From: Larry Schafer
Sent: Thur 2/19/2015 8:13:58 PM
Subject: Rumors / Facts ...

Paul,

Trying to do some fact checking here ...

According to Platts and Reuters who are both at the NEC

Chris Grundler said:

The US Environmental Protection Agency plans to base its 2014 Renewable Fuel Standard on actual biofuels production, an agency official said Thursday at an ethanol conference, reiterating its pledge to issue the 2014, 2015 and 2016 mandates this spring.

The 2015 standard will be based on actual biofuels production to date and a projection of fuel demand and production through the rest of the year, said Chris Grundler, director of the EPA's Office of Transportation and Air Quality.

<http://www.platts.com/latest-news/agriculture/dallas/us-epa-to-base-2014-rfs-on-actual-output-blend-21016342>

So ...

Does that mean the Biomass-based Diesel number for 2014 will be set at 1.75 billion gallons?

Larry Schafer
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To: Machiele, Paul[machiele.paul@epa.gov]
From: Brent Erickson
Sent: Tue 5/19/2015 1:01:45 PM
Subject: Special Announcement: Mr. Jonathan Wolfson to Receive the 2015 BIO George Washington Carver Award

Dear Paul,

The Biotechnology Industry Organization (BIO) is pleased to announce that we have named Solazyme CEO Jonathan S. Wolfson as the recipient of its 2015 George Washington Carver Award for innovation in industrial biotechnology. George Washington Carver was one of the founding fathers of the chemurgy movement, a branch of applied chemistry focused on manufacturing industrial products from raw agricultural materials. Industrial biotechnology is the modern-day equivalent of Carver's vision for chemurgy, and the award honors individuals for carrying on Carver's legacy.

**Mr. Jonathan
Wolfson**

BIO is pleased to recognize Jonathan for his determination to provide solutions to some of today's greatest challenges in energy, nutrition and industrials. Just like George Washington Carver, Jonathan wants others to live better by having access to greener consumer products, healthier foods, better home and personal care products, and more sustainable, cheaper transportation fuel.

"Jonathan S. Wolfson's commitment to this industry matches that of George Washington Carver. The innovation he has demonstrated throughout his career makes him very worthy of the recognition attached to this award," said Joe Hrdlicka, Executive Director of the Iowa Biotechnology Association and sponsor of the 2015 award.

Wolfson will receive the award and give a brief talk at the upcoming BIO World Congress on Industrial Biotechnology in July in Montreal, Canada. A special selection committee chose Wolfson for his vision to take one of the smallest organisms in the world – microalgae – and use it to revolutionize some of the biggest industries in the world. Solazyme's revolutionary biotechnology platform enhances the oil-producing nature of microalgae at the cellular level to tailor-make amazing oil profiles that bring specific benefits to people and the planet.

The company's sustainable algal oils can replace petroleum-based and other unsustainable oils widely used in many industries today. Solazyme's algal oils have a lower carbon footprint than nearly all natural oils– including fossil fuels, palm, palm kernel, and soybean. The company is able to turn plant-based sugars – like sucrose from sugar cane and dextrose from corn – into entirely new sources of healthy food ingredients in a matter of days.

Wolfson has positioned Solazyme to succeed across a variety of vertical industries – from skincare to food, from industrials to liquid fuels – with many of the world's leading brands lining up to co-develop and purchase Solazyme oils, making the company first to market with algae-based ingredients for chemicals and biofuel.

In November of 2014, Solazyme was awarded the Presidential Green Chemistry Challenge for its groundbreaking microalgae-based renewable oils and ingredients platform. This was the first time that an algae company has been recognized for this honor.

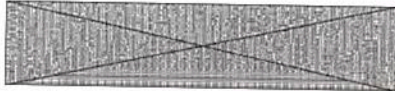
A graduate of New York University (NYU) School of Law and Stern School of Business, Wolfson recognizes the value of education in propelling biotechnology innovation. In his tenure at Solazyme, he has overseen the filing of the company's 300-plus technology patents.

With the support of the Iowa Biotech Association—the award sponsor—BIO will present Mr. Wolfson with the George Washington Carver Award during the Monday, July 20th plenary lunch session at the 2015 BIO World Congress on Industrial Biotechnology located in Montreal, Canada. To view the details on the plenary program, [click here](#).

Past recipients of the Carver Award are Dr. Patrick Gruber, CEO of Gevo, Inc., in 2008; Charles O. Holliday, Jr., Chairman of the Board of DuPont in 2009; Gregory Stephanopoulos, The Willard Henry Dow Professor of Chemical Engineering at Massachusetts Institute of Technology in 2010; Feike Sijbesma, CEO of Royal DSM in 2011; Steen Riisgaard, President and CEO of Novozymes in 2012; Dr. Jay Keasling, Hubbard Howe Jr., Distinguished Professor of Biochemical Engineering at the University of California, Berkeley in 2013; and Ellen Kullman, CEO & Chair of the Board, DuPont in 2014.

I encourage you to join me in congratulating Mr. Wolfson for his contributions, dedication and commitment to the advancement of the industrial biotechnology field.

Regards,



Brent Erickson

Executive Vice President

Industrial and Environmental Section

Biotechnology Industry Organization

www.BIO.org/ind

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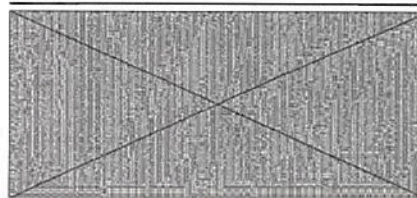
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To: Larry Schafer[ljschafer@biodiesel.org]
Cc: Argyropoulos, Paul[Argyropoulos.Paul@epa.gov]; Machiele, Paul[machiele.paul@epa.gov]; Hengst, Benjamin[Hengst.Benjamin@epa.gov]; Robert Johansson (Rjohansson@oce.usda.gov)[Rjohansson@oce.usda.gov]; Seth Meyer (SMeyer@oce.usda.gov)[SMeyer@oce.usda.gov]; Karla Thieman (Karla.Thieman@osec.usda.gov)[Karla.Thieman@osec.usda.gov]; hbaumes@oce.usda.gov[hbaumes@oce.usda.gov]; Utech, Dan G.[Dan_G._Utech@who.eop.gov]; Utech Dan (dutech@who.eop.gov)[dutech@who.eop.gov]; Anne.Simmons@mail.house.gov[Anne.Simmons@mail.house.gov]; Chris Sarley (chris.sarley@mail.house.gov)[chris.sarley@mail.house.gov]; Kayt Wahlert (kayt.wahlert@gmail.com)[kayt.wahlert@gmail.com]; Whiteman, Chad[Chad_S_Whiteman@omb.eop.gov]; Ben Lieberman (Ben.lieberman@mail.house.gov)[Ben.lieberman@mail.house.gov]
From: Larry Schafer
Sent: Tue 5/12/2015 5:26:05 PM
Subject: Follow up on Senate Press Event Advocating Growing Biodiesel Program in RFS

All,

Below is a list of press clippings and the You Tube video *from the Biodiesel Press Event on Thursday of last week.*

If you have any questions or comments, then please let me know.

Thank you.

=====

E&E Daily: Democratic senators slam Obama admin over delayed RFS rules

Congressional Quarterly: Heitkamp Leads Democratic Cheers for Biodiesel

The Hill – Overnight Energy: Senators Call for Strong Biodiesel Proposal

The Bismarck Tribune: Senators, biodiesel industry call for renewable fuel standards

OPIS: Senate Democrats Urge EPA to Get RFS Targets Back on Track

Heitkamp & Democratic Senators Highlight Impact of EPA Setbacks on Biodiesel Jobs & Production

https://www.youtube.com/watch?v=68hV7wOsJ_s

E&E Daily: Democratic senators slam Obama admin over delayed RFS rules

Amanda Peterka, E&E reporter

A coalition of Democratic senators yesterday slammed the Obama administration over delays in setting annual targets for biofuels through the renewable fuel standard program.

The group, led by Sen. Heidi Heitkamp (D-N.D.), said that the delays in setting the targets were causing uncertainty that was particularly hurting the biodiesel industry. U.S. EPA has not yet set any renewable fuel mandates for 2014 and beyond.

Biodiesel is an advanced biofuel made up of soybean oil, used cooking grease and animal fats. Under the renewable fuel standard, EPA is supposed to set the year's requirement for how much biodiesel refiners have to use 14 months before the year begins.

"I'm a big fan of this administration, as you can probably guess, being my former colleague from Illinois who is now our president," Senate Minority Whip Dick Durbin (D-Ill.) said, "but there is no excuse for what we've been going through for the last 2½, three years."

As part of a proposal for 2014, EPA said it would keep the biodiesel target level at 1.28 billion gallons. Biodiesel producers, however, complained that it lowballed their expected production; producers ended up generating about 1.8 billion gallons last year, about level with 2013. EPA ultimately never finalized the proposal, nor did it finalize any other renewable fuel targets for 2014 and beyond.

At a news conference yesterday, the Democratic senators said that the Obama administration, by not issuing the standards in a timely manner or at the levels contained in the RFS, had gone against the intent of Congress, which passed the RFS into law in 2007.

"They have taken away that consistency, those long-term goals, a way you can predict on how to invest, by not having any standard and not knowing what's going to happen," Sen. Amy Klobuchar (D-Minn.) said.

Democratic Sens. Maria Cantwell of Washington, Jeanne Shaheen of New Hampshire and Al Franken of Minnesota rounded out the group. The news conference came shortly after 37 bipartisan senators urged EPA to set robust targets for biofuels (*E&E Daily*, April 24).

Biodiesel producers say that the signals EPA sent with its 2014 proposal and the subsequent delay in issuing any targets, combined with uncertainty over the industry's \$1-per-gallon tax credit, have halted expansion plans and caused more than 50 plants to either close or idle since November 2012.

"2014 was poised to be a breakout year for biodiesel, until the 2014 [RFS] proposal intervened," said Kent Engelbrecht, manager of the biodiesel division at Archer Daniels Midland. "With the subsequent expiration of the biodiesel tax credit, we were forced to cease or slow production at all of our facilities."

In a recent proposed settlement with oil groups, EPA agreed to propose 2014 and 2015 targets for all types of biofuels by June 1 and to finalize that proposal by Nov. 30. EPA has said that it would issue targets for 2016, as well as the 2017 biodiesel target, under the same timeline. The proposal is currently at the White House Office of Management and Budget for interagency review.

"Biofuels are an important part of the president's energy strategy, helping to curb our dependence on foreign oil, cut carbon pollution and drive innovation," EPA spokeswoman Liz Purchia said yesterday.

Heitkamp, however, said that the administration has not followed through on its words.

"At a time when the administration purports to want to speed up green technologies," she said, "their policy, their lack of implementation of congressional policy, has basically had the opposite result."

Congressional Quarterly: Heitkamp Leads Democratic Cheers for Biodiesel

By Ellyn Ferguson, CQ Roll Call

Senate Democrats came to the defense of the biodiesel industry Thursday, complaining about the oil industry's lobbying to freeze the required biodiesel content of fuel and criticizing the Obama administration for opening the door to such lobbying.

Sen. Heidi Heitkamp said the oil industry is off base in calling on the Environmental Protection Agency to freeze the mandate for commercial use of biodiesel for three years.

"There is a fundamental inequity in that. They should not suffer the consequences of the EPA's failure to do a timely rule that is consistent with the statute," Heitkamp, D-N.D., said at a Thursday press conference in support of the biodiesel industry.

The EPA is expected to release its proposed Renewable Fuel Standard for 2014 and 2015 by

June 1.

The American Petroleum Institute and American Fuel and Petrochemical Manufacturers argued in a May 1 letter to EPA that the mandated commercial use of biodiesel should remain at the 2013 level of 1.28 billion gallons. The groups said the agency missed its statutory deadline and shouldn't therefore change the figure.

The biodiesel industry resisted that level when the agency proposed it as part of the 2014 fuel mandate. Biodiesel producers called it a retreat from the 1.8 billion gallons of fuel the industry produced in 2013. The 1.28 billion gallon level would drive away investors and lead to plant closures. In 2014, the biodiesel industry produced 1.75 billion gallons of fuel.

Sens. Richard J. Durbin, D-Ill., Maria Cantwell, D-Wash., Al Franken and Amy Klobuchar, both Minnesota Democrats, and Jeanne Shaheen, D-N.H., joined Heitkamp at the press conference.

"There's no excuse for what we've been going through for the last couple of years," Durbin said. "It's time for a decision. It's time to step up and make the right decision."

The Renewable Fuel Standard applies to conventional ethanol and advanced fuels, including specific mandates for biomass-based biodiesel. Biodiesel production has met the 1 billion gallons set in the 2007 law but production of other advanced fuels such as cellulosic ethanol made from non-food sources have only recently started commercial production.

Congress set the biofuel requirement in statute (PL 110-140) in 2007. Under the law, corn ethanol accounted for the majority of renewable fuels until this year, when it is capped at 15 billion gallons. A mix of biodiesel, cellulosic ethanol and other advanced biofuels then were to ramp up production to provide 21 billion gallons per year by 2022.

Lawmakers assumed at the time that U.S. consumer demand for fuel would continue to rise and that development of a largely domestic supply of renewable transportation fuel would help meet the demand and reduce U.S. reliance on foreign oil.

EPA entered a consent decree in April to settle the two oil trade groups' lawsuit against the agency for missing deadlines to issue the 2013, 2014 and 2015 fuel mandates. EPA issued the 2013 Renewable Fuel Standard eight months past deadline and had not finalized the 2014 proposal or issued a draft for 2015 when it signed the decree.

Under the agreement, EPA will release final mandates for 2014 and draft fuel mandates for 2015 by June 1. The agency also has said it will take steps outside the decree to issue draft mandates for all biofuels in 2016 and a separate 2017 mandate for just biodiesel by June 1. All would be finalized by Nov. 30, 2015.

The Hill - Overnight Energy: Senators Call for Strong Biodiesel Proposal

Six Senate Democrats blasted the Environmental Protection Agency (EPA) Thursday for its delays in setting biodiesel blending levels under the renewable fuel standard.

The 2014 standard is 18 months behind, and the 2015 one is six months behind, hurting the biodiesel industry, they said.

"For years, critical jobs that spur economic growth and help significantly reduce greenhouse gases have been reduced or uncertain because the EPA has failed to live up to its legal duty," Sen. Heidi Heitkamp (D-N.D.) said in a statement following a news conference.

"Our farmers and families -- who rely on biodiesel in fields and factories across this country -- are hurting because fuel standards that establish certainty in this industry have been left in the dark," she said.

They emphasized that the renewable fuel standard is working, and urged the EPA to work quickly to catch up on its obligations.

"We need to provide policy stability so the biofuels industry can grow," said Sen. Maria Cantwell (D-Wash.). "We must do more to help an emerging industry grow, rather than simply subsidizing a mature one."

The EPA this week sent its proposed levels for 2014, 2015 and 2016 to the Office of Management and Budget for review. It has promised in court to deliver final 2014 and 2015 levels by the end of November.

The Bismarck Tribune: Senators, biodiesel industry call for renewable fuel standards

By Jessica Holdman

In February, Archer Daniels Midland's Velva plant shifted away from producing the biodiesel it was designed to make.

The industry and lawmakers say biodiesel investments are going to waste because standards for blending volumes for fuels have been delayed. The U.S. Environmental Protection Agency was supposed to release renewable volume obligations (RVOs) for a year in advance but failed to do so. Earlier this month, the agency announced it would finalize the delayed RVOs by Nov. 30.

"2014 was poised to be a breakout year for biodiesel," Kent Engelbrecht, biodiesel trade manager at ADM, said during a press conference hosted by Sen. Heidi Heitkamp, D-N.D., Thursday. However, the EPA postponed finalization of standards until 2015.

"With the subsequent expiration of the biodiesel tax credit, we were forced to cease or slow

production at all of our facilities, including Velva," Engelbrecht said.

The RVO offered incentive to operate at capacity and invest in the Velva facility, which employs 80 people and buys canola from area farmers, according to Engelbrecht, who said delays have dissuaded investment. He, Heitkamp and five other Democratic senators called for a "reliable and growing" Renewable Fuel Standard.

Engelbrecht said margins for the industry are at an all-time low.

Tom Lilja, of the North Dakota Corn Growers Association, said the corn and ethanol industries also have been disappointed by RFS delays. However, production of ethanol has not been curtailed by the rule delay.

"It's a function of economics," he said.

High corn prices in 2012 caused a drop in ethanol production but lower prices have brought it back to normal levels, he said.

"They're very different markets," said Ben Evans, director of federal communications for the National Biodiesel Board.

Evans said biodiesel is a younger industry that still needs the support of policy. European Union tariffs have also eliminated an export market for the product, he said.

OPIS: Senate Democrats Urge EPA to Get RFS Targets Back on Track

In an afternoon press conference today, six Democratic senators urged EPA to stop "dragging its feet" and get back on track in issuing strong Renewable Fuel Standard (RFS2) targets.

"We've been working on this a long time and we can only express the height of our disappointment with delay after delay after delay" on the RFS, said Sen.

Heidi Heitkamp (D-N.D.), leading a Capitol Hill press conference focused on the biomass-based diesel targets of the provision. "We are pleading with the president of the United States to participate in this discussion. If you are really serious ... why do what we are doing to the biodiesel industry?" she added.

In its 2014 RFS proposal, issued in November 2013, EPA called for nearly across-the-board cuts.

Meanwhile, last month, EPA announced that as part of a proposed consent decree, it planned to issue the 2015 RFS targets by June 1 and finalize the 2014 and

2015 targets by Nov. 30. While not part of the proposed agreement, EPA also agreed to propose

and finalize the RFS biomass-based diesel volume requirement for 2017 on the same schedule.

As part of RFS2, biomass-based diesel volumes are supposed to be set 14 months prior to the applicable year, so the 2014 target was due by Nov. 1, 2012, the

2015 target was due by Nov. 1, 2013, and the 2016 target was due by Nov. 1, 2014.

"There's no excuse for what we have been going for the past two and a half or three years," said Sen. Dick Durbin (D-Ill.). "It's time for a decision.... It's time for the administration to step up and make the right decision," he said.

The senators who spoke at the press conference all urged the administration to provide the industry with the certainty it needs by providing strong RFS targets.

According to the National Biodiesel Board, since November 2012, 54 biodiesel plants in 30 states have closed or have been idled because of the lack of certainty from the EPA. In 2014, nearly 80% of U.S. biodiesel producers scaled back production, and almost 6 in 10 idled production altogether.

As OPIS exclusively reported earlier this week, EPA has sent its proposed 2014, 2015 and 2016 targets to the Office of Management and Budget for review.

"We are waiting to see what's in the rule," Heitkamp said, joking it was "the only guarded secret in Washington, D.C." She added that "anything short of statutory mandates is not going to be acceptable to a great many deal of members of the U.S. Senate."

"The White House has a decision to make" on the proposal, said Sen. Amy Klobuchar (D-Minn.). "They need to get this done and we should be over at the White House and meeting with them as soon as possible," she said.

Durbin criticizes EPA for long delay in issuing rules that aid renewable fuels

By JIM HOWARD •

Farmers, biofuel producers and, now, several U.S. senators who back the production of renewable fuels say the Environmental Protection Agency is putting the renewable fuels industry in a state of uncertainty.

They say the problem is that the agency is nearly three years behind schedule in proposing

“renewable volume obligations.” That part of administrative rules set the minimum number of barrels of renewable fuel that must be available to consumers in a marketplace where the majority of pumps and service stations are owned by petroleum companies.

In short, the rule guarantees a market for a certain amount of renewable fuels, a fact that has caused critics to label the program corporate welfare. Without the guarantee, some biofuel producers have closed shop, and availability at the gas pumps has not grown.

Standing along-side other farm-state senators with an interest in growing the biofuels industry, U.S. Sen. Dick Durbin, D-Ill., told a news conference late last week, “I’m a big fan of this administration as you can probably guess, being my former colleague from Illinois is now our president, but there’s no excuse for what we’ve been going through for the last two and a half to three years,” Durbin said. “It’s time for a decision. How can you build an industry, how can you make capital investments, how can you create jobs with so much uncertainty?” he asked.

Durbin said the biofuels industry is critical on several basic levels: “It’s how we move forward toward energy independence, it’s how we clean up our environment, and in our part of the world, it’s how we create jobs, some 5000 in the state of Illinois.”

American success story

Kent Englebrecht, biodiesel trade manager for Archer Daniels Midland in Decatur, Ill., called biodiesel an American success story. “In 2005, and in 2007, Congress took steps to ensure that renewable fuels would have a permanent place in the American landscape. We answered that call. We made the investments. And today in the U.S., ADM produces more than 200 million gallons of biodiesel per year at four facilities using soy and canola as feed stocks.”

Englebrecht said those facilities directly support 1,000 jobs and have created stability and opportunity for “countless American farmers.” The Renewable Fuel Standard, he said, has driven down the costs of transportation fuel for drivers at the pump and serves as a check against price volatility in the oil markets. “With favorable economics, a reliable renewable fuel standard, 2014 was poised to be a breakout year for biodiesel until the 2014 RVO (renewable volume obligation) intervened.” The lack of new obligation levels due to the delayed rule, combined with the expiration of the biodiesel tax credit said Englebrecht, forced ADM to “cease or slow

production at all of our facilities.”

Ann Steckel, vice president of federal affairs for the National Biodiesel Board, said EPA’s delay in proposing a new rule under the Renewable Fuel Standard program, with increased volume has caused “very detrimental” impacts to the biodiesel industry. “We’ve seen about 54 plants across the country either idle or go into bankruptcy because EPA has not put out the rules and the volume requirements for biodiesel in the timely fashion that they were supposed to.”

She said the Jefferson City-based group is urging the EPA to continue to “grow the biodiesel market by a few hundred million gallons every year.” With biodiesel being pumped into about 2 percent of all cars and trucks across the U.S., Steckel said, there’s plenty of room for growth and diversification of the diesel market.

Steckel also argues that such growth and diversification is good for consumers, both in terms of pump price and the environment. “We’re an advanced biofuel. We reduce greenhouse gas emissions by at least 50 percent so it’s a win, win for everyone,” she said.

Illinois has the capacity to produce more than 160 million galls of biodiesel said Durbin. “But the industry won’t grow when there’s no market certainty. The EPA should act quickly to put forth robust RFS (renewable fuel standard) requirements for 2014 and beyond. Further delays risk our nation’s energy independence, our environment, and rural America’s economic future.”

The EPA was supposed to set the 2014, renewable volume obligations by the end of 2012, but failed to do so, meaning the agency is now late in finalizing levels for 2014, 2015 and 2016. Yearly increases are based on levels for the previous year – which is why the renewable fuel industry still needs levels set for 2014.

For its part, the EPA announced that it plans to have a new rule proposed by June 1, with limits set through 2017. It says that rule should be finalized by Nov. 30.

Presidential politics

The issue of renewable fuels has already been raised by at least one candidate for president. In March, U.S. Sen. Ted Cruz, R-Texas, a state with a significant amount of its economy based on petroleum, told a gathering of Republicans and leaders in agriculture that he does not support the federal government imposing production standards for renewable fuels. He said the practice amounted to "corporate welfare."

Larry Schafer

National Biodiesel Board

202.737.8801

To: Machiele, Paul[machiele.paul@epa.gov]
From: Brent Erickson
Sent: Thur 5/7/2015 5:08:30 PM
Subject: Special Announcement: Dr. Jennifer Holmgren to Receive the 2015 BIO Rosalind Franklin Award

Dear Paul,

It is with great pleasure we are announcing that **Dr. Jennifer Holmgren will be the recipient of the 2015 BIO Rosalind Franklin Award for Leadership in Industrial Biotechnology at the BIO World Congress on Industrial Biotechnology, which will take place July 19-22 in Montreal, Canada.** Dr. Holmgren's work and commitment to the advancement of her field of industrial biotechnology embodies the spirit of Rosalind Franklin and her pioneering efforts.

Dr. Jennifer Holmgren

This award was created to help carry on the legacy of Rosalind Franklin who not only aided in the expansion of biotechnology, but also helped pave the way for women in this field. Rosalind Franklin was instrumental in the discovery and our greater understanding of the molecular structure of DNA. Through Rosalind Franklin's use of X-ray diffraction images, the true double helix structure of DNA was discovered. With the aid of Franklin's images and writings, Francis Crick and James Watson were able to release their 1953 model of the structure of DNA.

More than fifteen female leaders in industrial biotechnology were nominated for the award. Dr. Holmgren's accomplishments and dedication stood out to the Rosalind Franklin Award Selection Committee, who selected her as the inaugural recipient.

Dr. Holmgren is CEO of a revolutionary carbon recycling company, LanzaTech. Under her leadership, LanzaTech is developing the world's first alternative jet fuel from industrial waste gases using intermediates derived through industrial biotechnology. LanzaTech's technology, certified by the Roundtable on Sustainable Biomaterials (RSB) in 2013, is ready to deploy globally today, with a 30 million gallon nameplate facility targeted for construction in China in 2015, producing fuel ethanol from steel mill off gases.

Dr. Holmgren's team has defined the genetic blueprint of gas fermenting organisms and demonstrated in the laboratory that they can be engineered to produce a range of novel, commercially valuable molecules. LanzaTech's work is a cornerstone for the development of an entire industry that uses gas fermentation to convert a variety of wastes or low value resources into a diverse spectrum of low carbon fuels and chemicals.

Prior to joining LanzaTech, Dr. Holmgren was Vice President and General Manager of the Renewable Energy and Chemicals business unit at UOP LLC, a Honeywell Company. She was one of the key drivers of UOP's leadership in aviation biofuels, and under her management, UOP technology became instrumental in producing nearly all of the initial fuels used by commercial airlines for testing and certification of alternative aviation fuel for passenger flights. These test flights brought tremendous visibility to the potential of renewable aviation fuel and the role of biotechnology in feedstock development.

Dr. Holmgren holds a Bachelor of Science degree from Harvey Mudd College, a Doctor of Philosophy from the University of Illinois at Urbana-Champaign and a Master of Business Administration from the University of Chicago. She is the author or co-author of 50 US patents and 20 scientific publications and was named as one of the top 10 most influential leaders in the Biofuels Industry by Biofuels Digest for 2013-2014.

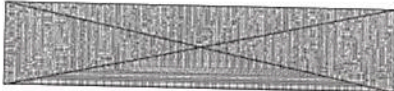
With the support of the Rosalind Franklin Society-- the award sponsor -- BIO will present Dr. Holmgren with the BIO Rosalind Franklin Award. The Rosalind Franklin Society is an honorific, interdisciplinary, and international society which recognizes, fosters, and advances the important contributions of women in the life sciences and affiliated disciplines. In so doing, the Society honors the under-recognized achievements of the late Rosalind Franklin (1920-1958). To

celebrate the life, work, and symbolic power of this remarkable heroine in science, the Society recognizes the work of outstanding women scientists, fosters greater opportunities for women in the sciences, and motivates and educates by examples young generations of women who have this calling.

During this conference, BIO will also hold a Women in Industrial Biotechnology Reception which is schedule to take place on July 19 at 4:30 pm. This reception is only accessible to attendees of the BIO World Congress and has a limited number of spots available on a first-come, first-served basis. Email rhayes@bio.org to reserve your spot today.

I encourage you to join me in congratulating Dr. Holmgren for her contributions, dedication and commitment to the advancement of the industrial biotechnology field.

Regards,

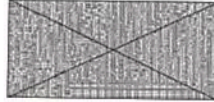


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From: Wendy Siminski
Sent: Tue 5/5/2015 6:33:58 PM
Subject: Don't Miss the Largest Biotech Career Fair

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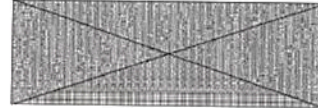


Exhibit at the BIO Career Fair

The BIO Career Fair, co-located with the 2015 BIO International Convention, is a great way to connect with new candidates, expand your organization's talent pool and help forecast potential hiring needs. A free benefit to the 15,000+ Convention attendees gathered from around the globe, as well as the tri-state area, the BIO Career Fair is a must-attend for those seeking career advancement opportunities, professional development resources, and access to the industry's top employers. Whether you are using the BIO Career Fair as your preliminary pre-recruitment activity or as your primary sourcing tool, there is no better opportunity for your organization to find prospective employees.

Learn more at convention.bio.org/careerfair

GOLD — \$15,000

- Premium booth space
- 10' x 20' recruiting area with company sign, table and 2 chairs
- 4-color ad on back cover (5.5" X 8.5") in BIO Career Fair program book
- 5 additional job postings on the Bio Jobs Job Board (a \$1,000 value)
- 30-day access to the candidate resume database
- Signage onsite
- Larger logo promotion on BIO Career Fair page
- Preferential job posting position, which allows prominent placement at top of search results

SILVER — \$10,000

- Premium booth space
- 10' x 10' recruiting area with company sign, table and 2 chairs
- 2 side-by-side ads (5.5" X 8.5" each) in BIO Career Fair program book
- 3 additional job postings on the Bio Jobs Job Board
- Signage onsite
- Larger logo promotion on BIO Career Fair page
- Preferential job posting position, which allows prominent placement at top of search results

Standard — \$4,200

Sign up prior to 3/1/15 to take advantage of early registration price of \$3950

- 10' x 10' recruiting area with company sign, table and 2 chairs
- 5.5" X 8.5" ad in BIO Career Fair program book
- 60-day access to the BIO candidate resume database
- 5 job postings on the Bio Jobs Job Board (a \$1,000 value)
- Company name and logo listed on BIO Career Fair website and on convention.bio.org/careerfair
- Two BIO 2015 Exhibition Access passes
- Featured in BIO 2015 Onsite Guide, distributed to 15,000 Convention attendees
- Featured BIO Career Fair Exhibitor List (as of May 9, 2015)
- Featured in LinkedIn broadcast message to "myBIO Community" (40,000 contacts)

Online — \$2,750

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Become an Exhibitor

Please contact Mark McGuire at m.mcguire@jobtarget.com or by phone at 860.271.7253 ext. 312 to reserve your space today!

Career Fair Schedule of Events

Head Shot Lounge | June 16, 17 and 18, 2015

9:30am - 5:00pm | Hall E, Booth #3859

Sponsored by Delaware Economic Development Office

Receive publish quality photo headshots for your LinkedIn, resume or personal social media accounts. You will be greeted by makeup artists and hairdressers to ensure that you get the "customized head shot" that makes you look great.

Job Search 2015 | June 18, 2015

201410:30am – 12:00pm | Room 121

Join industry decision makers and HR influencers for a candid discussion about what you need to run a successful job search in today's market. What's critical? What's changed? What are the necessary steps that get candidates hired?

Panelists:

- Harriet Maphet, President, Infinity Resources (Moderator)
- Amanda Brouillard, Manager, Career Services, Johnson & Johnson
- Catherine Kapferer, Global Director, Head of Diversity, EEO Compliance & University Relations, Covance
- Karen Koubek, Director, Human Resources, PTC Therapeutics
- Gene Mancino, Principal, Mancino Burfield Edgerton Search

Resume Builder Workshop | June 18, 2015

2:00pm and 3:00pm | Room 121

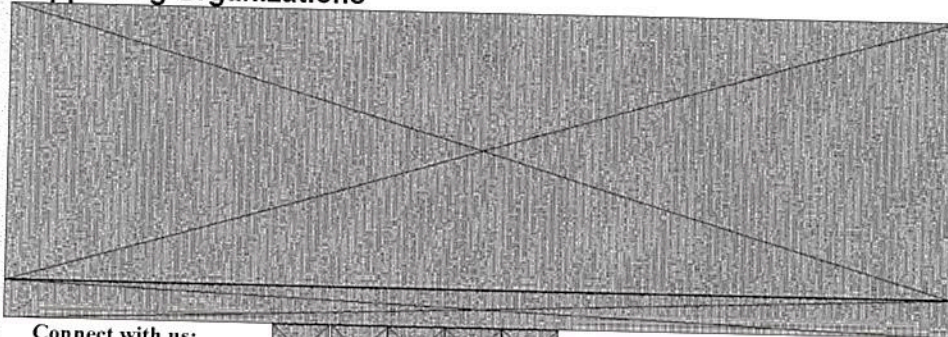
Join representatives from Joulé Staffing Solutions and Ashton Tweed to discuss best practices for format and content of resumes.

Facilitators:

- Charles Hagan, Manager, Talent Acquisition at Morphotek, a subsidiary of Eisai, Inc.
- Matthew Levy, Senior Global HR Lead Generalist/Business Partner, Janssen R&D, Johnson & Johnson

• Jordan Warshafsky, Partner, Ashton Tweed, LTD

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Biotechnology Industry Organization

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To: Machiele, Paul[machiele.paul@epa.gov]
From: BIO - Biotechnology Industry Organization
Sent: Thur 4/30/2015 7:15:36 PM
Subject: BIO Newsletter: April 30, 2015

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BIO INTERNATIONAL CONVENTION

Monday, June 15th Declared "BIO Superhero Day" in Philadelphia




Last week, Philadelphia Mayor Michael Nutter declared Monday, June 15th "BIO Superhero Day" in the City of Philadelphia in honor of the BIO International Convention's Everyday Superhero contest, which celebrates the contributions of the men and women of biotechnology who work tirelessly each day to heal, fuel and feed the world.

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GMOS

Skip the 1,000-Calorie Burrito and Chipotle's Dishonest Food Snobbery

At BIO, we support voluntary efforts to label GMO foods and any retailer's or restaurant's choice to source non-GMO ingredients as long as it's not done in a way that makes safety or health claims.




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21ST CENTURY CURES

BIO Praises the Release of 21st Century Cures Initiative Discussion Draft

BIO applaud the Committee on Energy and Commerce for releasing

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its 21st Century Cures Initiative discussion draft intended to accelerate the discovery, development and delivery of next generation modern medicines...
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BIO INTERNATIONAL CONVENTION

Congrats to the 2015 Buzz of BIO Winners

We're very pleased to announce the winners for the 2015 Buzz of BIO contest of the BIO International Convention...

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The Power of Innovation

Fox and Friends included an informative segment about the staggering advances being made in cancer care thanks to new and forthcoming innovative treatments...

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HEALTH

BIO Principles on Expanded Access to Investigational, Unapproved Medicines

We believe that the best way to make innovative biotechnology medicines available to patients is through the efficient development of approved, safe and effective products...

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Why the Founder of the Anti-GMO Movement Converted to the Side of Science

Lynas is a British environmentalist and author who once founded the movement against genetically modified foods in the mid 1990s...

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Inventors of Life-Saving Golden Rice Receive Prestigious Patents for Humanitarian Award

On Monday, April 21, 2015, the White House Office of Science and Technology Policy and the U.S. Patent and Trademark Office announced the recipients of the 2015 Patents for Humanity Award...

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2015 BIO WORLD CONGRESS

2015 BIO World Congress to Showcase Canada's Industrial Biotech Industry

BIO has announced plenary and breakout session programs that will feature executives, industry experts and academics from Canada-based organizations, companies, and universities...

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Statement Regarding the Introduction of Senate Patent Reform Legislation

BIO appreciates the good faith efforts of the co-sponsors of the PATENT Act...

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Biotech Leader Provides Testimony on Legislative Proposals to Enhance Capital Formation and Reduce Regulatory Burdens

The success of the Jumpstart Our Business Startups Act in the biotech industry means that the work of the Subcommittee on Capital Markets and Government Sponsored Enterprises has taken on increased importance for emerging biotech companies...

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April is Donate Life Month! Walk with the National Kidney Foundation on May 16!

The need for organ donations continues to increase in America. Of the over 123,600 Americans on the national organ transplant waitlist...

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06.15.15

2015 BIO International Convention

Join 15,000 global attendees at BIO 2015, June 15 – 18, 2015 in Philadelphia, PA for more than 29,000 one-on-one partnering meetings in 3 days. BIO's new One-on-One Partnering™ system will dramatically increase your ROI at the BIO International Convention and across all BIO partnering events. Combined with Inova's One-on-One Partnering™ Plus, the system will reduce your team's overall business development costs and will increase your partnering effectiveness year-round...

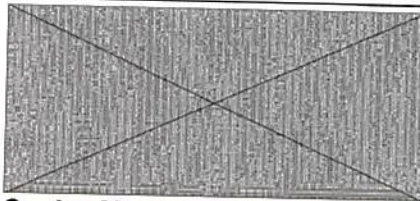
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World Congress on Industrial Biotechnology

The BIO World Congress on Industrial Biotechnology is the world's largest industrial biotechnology event for business leaders, investors, and policy makers in biofuels, biobased products, and renewable chemicals...

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Senior Manager Quality Control, Raw Material Support, BAYER

Berkeley, California, United States
April 14, 2015

Biostatistician, General Dynamics Information Technology- Military Health Services

Bethesda, Maryland, United States
March 23, 2015

Post-Doc, University of Rochester

Rochester, New York, United States
April 7, 2015

Research Associate - Mass Spectrometry, OncoPlex Diagnostics

Rockville, Maryland, United States
April 12, 2015

Sr. Regulatory Specialist, Biotech Center of Expertise, BASF Corporation

San Diego, California, United States
April 12, 2015

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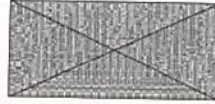
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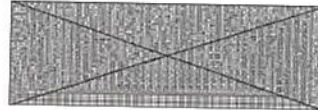
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To: Machiele, Paul[machiele.paul@epa.gov]
From: Wendy Siminski
Sent: Tue 5/5/2015 6:02:11 PM
Subject: Don't Miss the Largest Biotech Career Fair

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Attend the BIO Career Fair

Co-located with the 2015 BIO International Convention, the BIO Career Fair is a must-attend for those seeking career advancement opportunities, professional development resources and access to the industry's top employers.

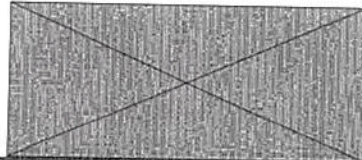
- Connect with recruiters and circulate your resume among corporate HR staff who are looking to fill positions and expand their talent pool.
- Explore job opportunities in business development, research, finance, marketing and more.
- Establish new contacts and network with professionals from all industry segments.

The BIO Career Fair is FREE to attend and signing up is easy at jobs.bio.org—

- Pre-register or bring a hard copy of your resume/CV onsite (resume required for admittance).
- Upload your resume/CV to our Bio Jobs database.
- Fill out your personal profile for employers to view.

The BIO Career Fair is powered by Bio Jobs, the premiere job board hosted by the industry's largest global trade association, BIO.

Learn more at convention.bio.org/careerfair



**Career Fair attendees receive access to the
#BIO15 Exhibition (\$199 value)**

Career Fair Schedule of Events

Head Shot Lounge | June 16, 17 and 18, 2015

9:30am - 5:00pm | Hall E, Booth #3859

Sponsored by Delaware Economic Development Office

Receive publish quality photo headshots for your LinkedIn, resume or personal social media accounts. You will be greeted by makeup artists and hairdressers to ensure that you get the "customized head shot" that makes you look great.

Job Search 2015 | June 18, 2015

10:30am - 12:00pm | Room 121

Join industry decision makers and HR influencers for a candid discussion about what you need to run a successful job search in today's market. What's critical? What's changed? What are the necessary steps that get candidates hired?

Panelists:

- Harriet Maphet, President, Infinity Resources (Moderator)
- Amanda Brouillard, Manager, Career Services, Johnson & Johnson

- Catherine Kapferer, Global Director, Head of Diversity, EEO Compliance & University Relations, Covance
- Karen Koubek, Director, Human Resources, PTC Therapeutics
- Gene Mancino, Principal, Mancino Burfield Edgerton Search

Resume Builder Workshop | June 18, 2015

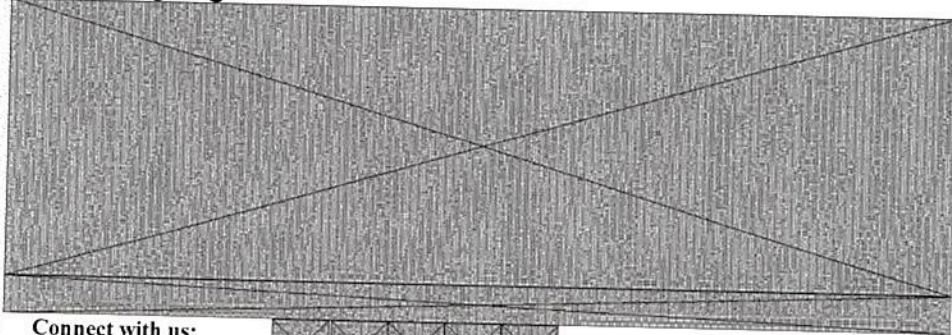
2:00pm and 3:00pm | Room 121

Join representatives from Joulé Staffing Solutions and Ashton Tweed to discuss best practices for format and content of resumes.

Facilitators:

- Charles Hagan, Manager, Talent Acquisition at Morphotek, a subsidiary of Eisai, Inc.
- Matthew Levy, Senior Global HR Lead Generalist/Business Partner, Janssen R&D, Johnson & Johnson
- Sally Smith, Sales Manager, Joule Clinical and Scientific Staffing
- Jordan Warshafsky, Partner, Ashton Tweed, LTD

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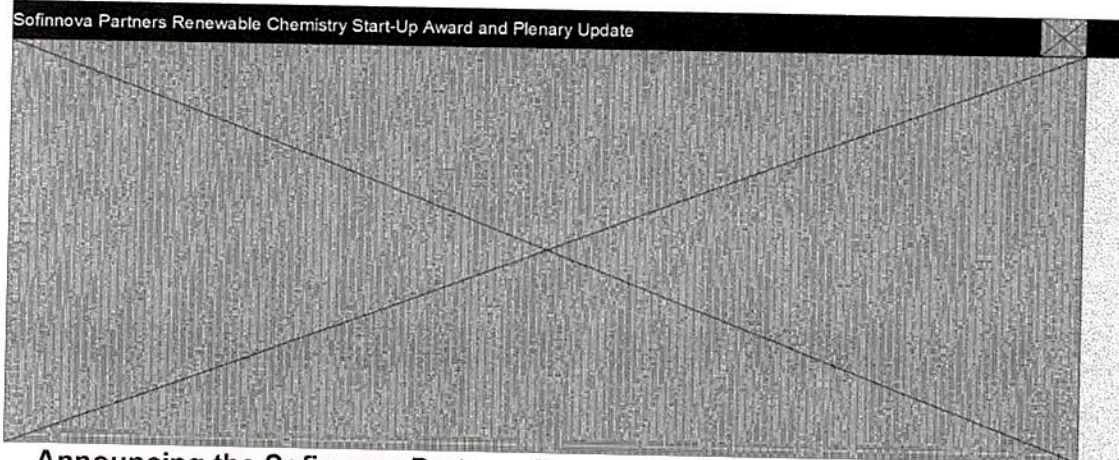
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To: Machiele, Paul[machiele.paul@epa.gov]
From: Brent Erickson
Sent: Mon 5/4/2015 4:31:22 PM
Subject: Announcing the Sofinnova Partners Start-Up Award



Announcing the Sofinnova Partners Renewable Chemistry Start-Up Award

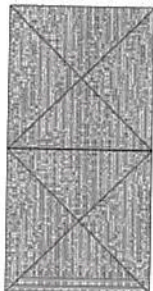
Calling all start-up companies active in renewable chemistry, industrial biotechnology or renewable fuels: Apply today for the Sofinnova Partners Renewable Chemistry Start-up Award by **May 30, 2015**.

This award will recognize the most promising renewable chemistry start-up company in the industry. The Top 5 companies with the highest number of popular online votes will pitch their project at the 2015 BIO World Congress on Industrial Biotechnology. The winner will then be selected onsite by an industry jury at the Monday, July 20th event.

Sofinnova Partners is a leading European venture capital fund based in Paris investing in start-up and early stage companies across Europe and North America.

Biobased Innovations for the Future

Sponsored by:



Jim Lane
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Olga Selifonova
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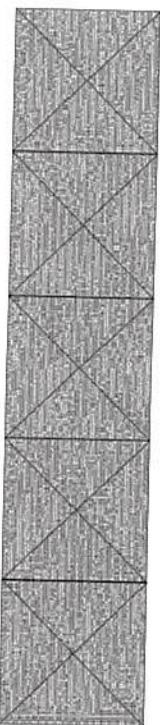
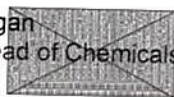


David Demirjian
CEO, **ZuChem**

Andras Forgacs
Co-Founder & Chief Executive, **Modern Meadows**

Success Stories

Lunch Sponsored by: Andrew Hagan
Director, Head of Chemicals Industry, **World Economic Forum** (Moderator)



Tjerk de Ruiter
CEO, **Corbion**

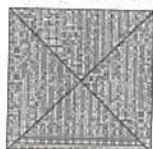
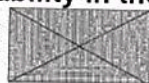
Vincent Chornet
Cofounder, President & CEO, **Enerkem**

Robert Graham
CEO & Chairman, **Ensyn**

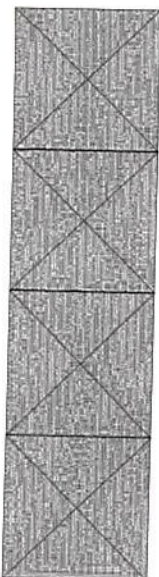
Joel Stone
President, North America & Global Vice President Engineering, **Green Biologics**

Feedstock Sustainability in the Biobased Economy

Supporting Organization:



Matthew Rudolph
Business Development Manager, **Roundtable on Sustainable Biomaterials (RSB)** (Moderator)



Ken Shields
CEO & Chairman, **Conifex Timber**

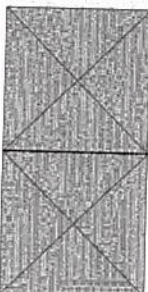
Allan Green
Research Program Director for Bioproducts, **CSIRO**

James Levine
CEO, **Sapphire Energy**

Steve Fabijanski
President & CEO, **Agrisoma Biosciences Inc.**

Flying the Friendly Green Skies & the Rosalind Franklin Award Presentation

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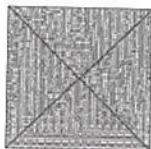


Steve Csonka
Executive Director, Commercial Aviation Alternative Fuels Initiative (CAAFI)

Michael Lakeman
Regional Director, Biofuel Strategy & Associate Technical Fellow, **Boeing Commercial Airplanes**

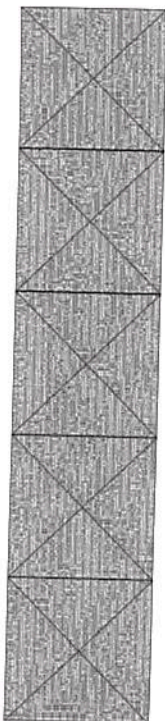


Alejandro Rios Galvan
Director, Sustainable Bioenergy Research Consortium, **Masdar Institute of Science and Technology**



Maria Fiskerud
Nordic Director, **Sky NRG**

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President and CEO, **Biotechnology Industry Organization**(Moderator)

The Honorable Terry Branstad
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Deputy Head of Biotechnologies Unit, **European Commission**

Bernardo Silva
Executive Chairman, **Praj Industries Limited**

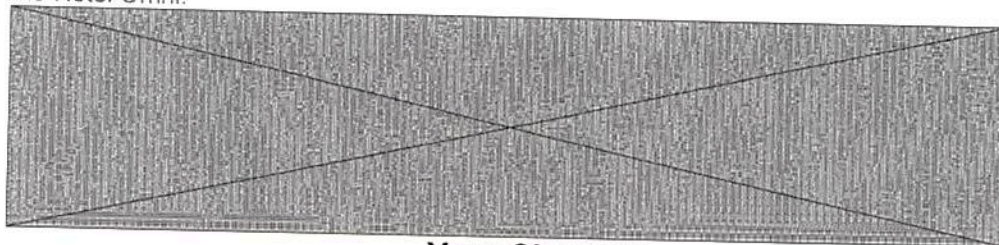
Pramod Chaudhari
Executive President, **Brazilian Industrial Biotechnology Association (ABBI)**

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Don't Wait Until the Last Minute to Plan for Montreal

The BIO World Congress on Industrial Biotechnology taking place July 19-22, 2015 in Montreal is less than 90 days out. Don't miss out on being a part of the must-attend event for industrial biotechnology professionals.


Remember summer marks Montreal's famous festival season and "Just for Laughs" comedy festival will be taking place during BIO World Congress. Also, you can be part of two conferences in one trip by attending [BioFuelNet's Advanced Biofuels Symposium](#) July 22-24 at the Hotel Omni.



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- [Consider spending more time in Montreal](#)
- [Register for the conference](#)
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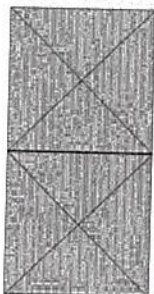
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State and Regional Approaches to Developing the Biobased Economy & the George Washington Carver Award Presentation

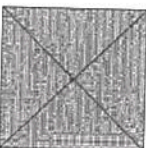
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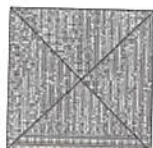
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Mark Your Calendar for Montréal

The BIO World Congress on Industrial Biotechnology will take place July 19-22 in beautiful Montréal. Take advantage of early bird housing and registration rates by booking now.

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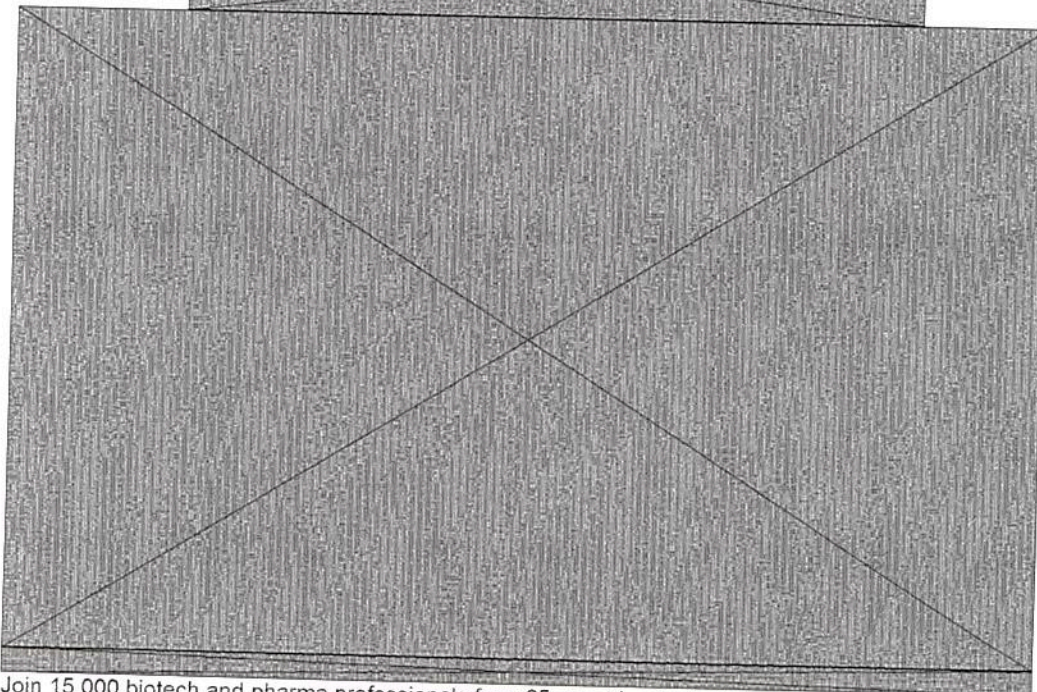
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From: Wendy Siminski
Sent: Thur 4/23/2015 8:11:01 AM
Subject: Join 2,500 CEOs and 15,000 global attendees at BIO 2015

Supercharge Your BIO Experience









Join 15,000 biotech and pharma professionals from 65 countries for the largest, most influential biotech partnering meeting in the world, the 2015 BIO International Convention. BIO 2015 will be held June 15-18th in Philadelphia, Pennsylvania. The event will feature 100+ educational sessions, host 1,700 exhibitors and is the largest venue for private company-to-company meetings ("partnering") in the world. More than 29,000 One-on-One Partnering™ meetings between 3,000 participating companies will take place during BIO 2015. **Early bird rates end April 23**, visit convention.bio.org to register.

The BIO 2015 "Can't-Miss" List

Excitement is building for the largest biotech gathering of the year and your chance to save on registration ends April 23. Here are several new highlights in our Convention Access & Partnering package that have the industry talking:

	Monday Kickoff Concert Featuring Boyz II Men, The Roots and Kool & The Gang
	Monday - Thursday: education Industry leaders including Dr. Francis Collins, Dr. Carl June, Katrine Bosley and more forecast the future of biotech
	Tuesday - Thursday: partnering World's largest biotech and pharma partnering event facilitating 29,000+ meetings in BIO's new One-on-One Partnering™ System
	Tuesday - Thursday: BIO Exhibition <ul style="list-style-type: none">• 2 Floors of Exhibits, 40+ Pavilions and 8 Focus Zones

	<ul style="list-style-type: none"> Digital Health Zone, Academic Zone, Company Presentations and the Innovation Zone featuring NIH and NSF SBIR-funded companies
	<ul style="list-style-type: none"> Business Development Courses & Attendee Orientation Sessions on Venture Capitalism, Drug Development, Innovation and the Science of Biotech
	<ul style="list-style-type: none"> Keynote featuring Tom Brakaw, Awarding Winning Journalist NASA Exhibit, Headshot Lounge, Cheesesteak War and many more surprises in the BIO Metropolis & BIO Exhibition
	<ul style="list-style-type: none"> Keynote featuring Dr. Eric Topol, the Dean of Digital Medicine Reading Terminal Reception and BIO Exhibitor Hospitality Receptions - an attendee favorite!
	<ul style="list-style-type: none"> MIT Hopalong Medicine's Idea Design Studio Join the largest industry recruiting event-BIO Career Fair
	<p>Register for Convention Access & Partnering to access all these events!</p> <p>Register Now</p>

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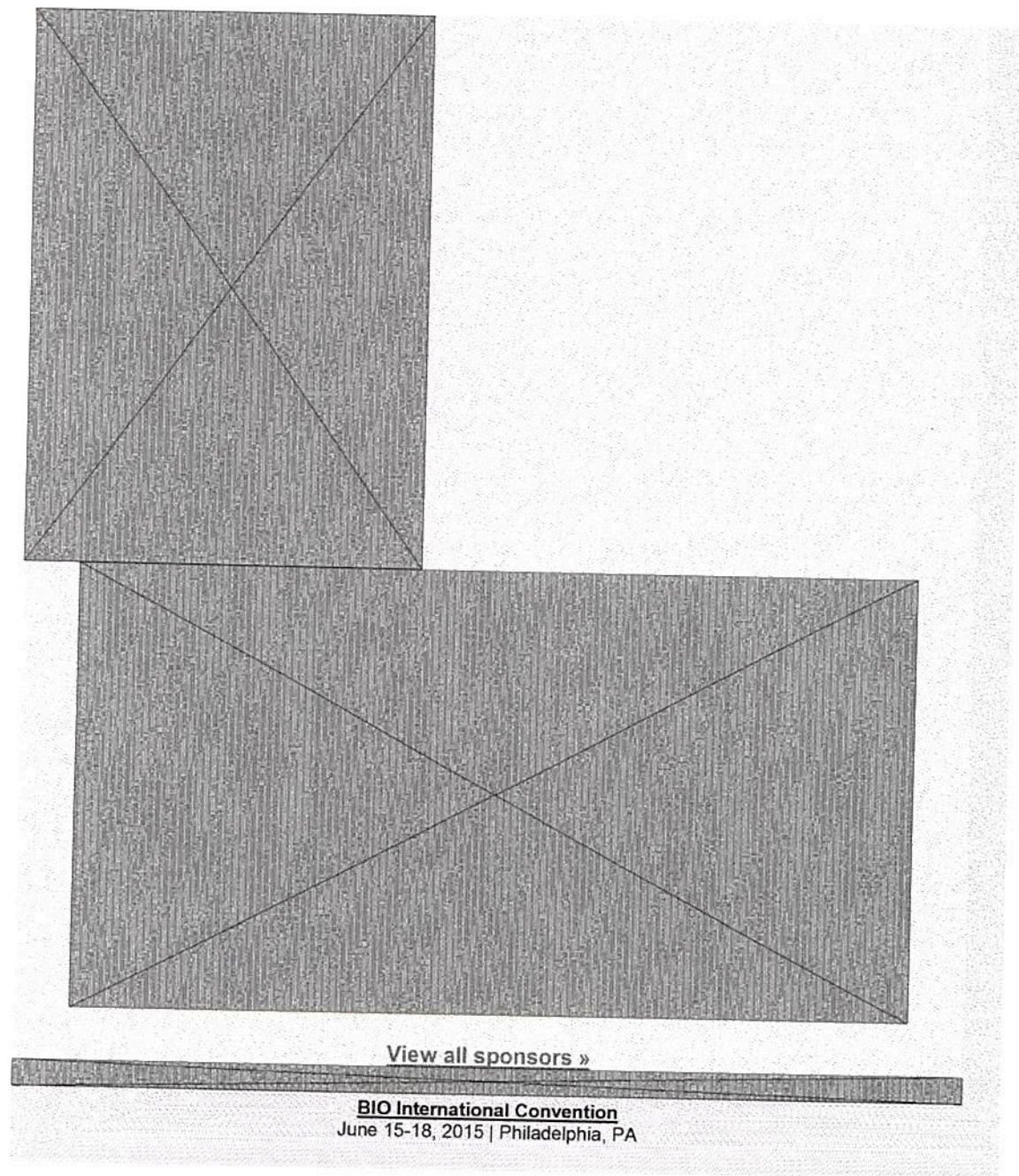
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